

IN THE CLAIMS

Kindly delete non-elected claims 1-27 and 35-77.

Kindly delete claims 28, 29, 31, 33 and 34.

Please amend claim 28 as set forth below and add additional claims 78 - 87 dependent thereon.

30. (Original) The method according to claim 28, wherein a desired DNA is inserted, removed or modified in said differentiated mammalian cell or cell nucleus, thereby resulting in the production of a genetically altered NT unit.

32. (Original) The method of claim 28, wherein the resultant CICM cell line is induced to differentiate.

78. (New) A method of producing a CICM cell line, comprising:

(i) inserting a desired mammalian somatic cell or cell nucleus into an enucleated mammalian oocyte of the same species as the somatic cell or cell nucleus, under conditions suitable for the formation of a nuclear transfer (NT) unit;

(ii) activating the resultant nuclear transfer unit;

(iii) culturing said activated nuclear transfer unite until greater than the 2-cell developmental state and no greater than the 400-cell developmental stage;
and

(iv) culturing cells obtained from said cultured NT united to obtain a CICM cell line which is cultured under conditions that maintain said CICM cell line in an undifferentiated state.

79. (New) The method of claim 78 wherein said culturing step (iv) comprises culturing said cells on a feeder layer.

80. (New) The method of claim 79 wherein said feeder layer is a fibroblast feeder layer.

81. (New) The method of claim 78 wherein said somatic cell is transgenic.

82. (New) The method of claim 81 wherein said somatic cell or nucleus is human.

83. (New) The method of claim 82 wherein said somatic cell or nucleus is transgenic.

84. (New) A method according to claim 83 wherein said CICM cell line is a human CICM cell line.

85. (New) The method of claim 84 which results in hematopoietic cells.

86. (New) The method of claim 85 which results in neural cells.

87. (New) The method of claim 86 wherein said cell line is transgenic.